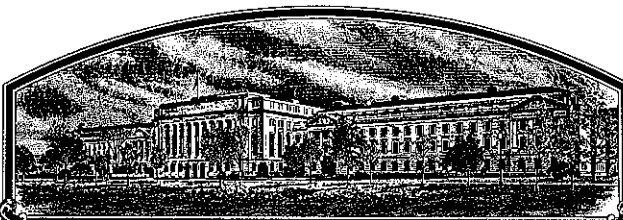


No.

9400232



# THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

**DEKALB Genetics Corporation**

Whereas, THERE HAS BEEN PRESENTED TO THE

**Secretary of Agriculture**

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED, PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE FOREGOING PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

SOYBEAN

'CX260c'

*In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this thirtieth day of November in the year of our Lord one thousand nine hundred and ninety-five.*

Attest:

*Marsha A. Stanton*

Commissioner  
Plant Variety Protection Office  
Agricultural Marketing Service

*Samuel J. Hittman*  
Secretary of Agriculture

U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
SCIENCE DIVISION

## APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

(INSTRUCTIONS ON REVERSE)

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S) (as it is to appear on the Certificate) DEKALB Genetics Corporation		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NO. EX326c		3. VARIETY NAME CX260c	
4. ADDRESS (street and no. or R.F.D. no., city, state, and ZIP) 3100 Sycamore Road DeKalb, IL 60115		5. PHONE (include area code) (815) 758-3461		FOR OFFICIAL USE ONLY	
6. GENUS AND SPECIES NAME Glycine max L. Merr.		7. FAMILY NAME (Botanical) Leguminosae		PVPO NUMBER 9400232	
8. CROP KIND NAME (Common Name) Soybean		9. DATE OF DETERMINATION Summer, 1991		Filing and Examination Fee: \$ 2,325.00 Date July 15, 1994	
10. IF THE APPLICANT NAMED IS NOT A "PERSON," GIVE FORM OF ORGANIZATION (Corporation, partnership, association, etc.) Corporation				Certificate Fee: \$ 300.00 Date October 30, 1995	
11. IF INCORPORATED, GIVE STATE OF INCORPORATION Delaware		12. DATE OF INCORPORATION June 15, 1988		Filing and Examination Fee: \$ 2,325.00 Date July 15, 1994	
13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS					

Robert E. Roman, Jr.  
DEKALB Genetics Corporation  
3100 Sycamore Road  
DeKalb, IL 60115

&amp;

R. Mark Lawson, Ph.D.  
DEKALB Genetics Corporation  
3100 Sycamore Road  
DeKalb, IL 60115

PHONE (include area code):

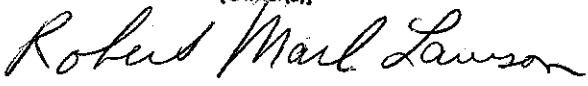
(815) 758-3461

14. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow INSTRUCTIONS on reverse)	
a. <input checked="" type="checkbox"/> Exhibit A, Origin and Breeding History of the Variety b. <input checked="" type="checkbox"/> Exhibit B, Novelty Statement c. <input checked="" type="checkbox"/> Exhibit C, Objective Description of Variety d. <input type="checkbox"/> Exhibit D, Additional Description of Variety e. <input checked="" type="checkbox"/> Exhibit E, Statement of the Basis of Applicant's Ownership f. <input checked="" type="checkbox"/> Seed Sample (2,500 viable untreated seeds). Date Seed Sample mailed to Plant Variety Protection Office _____ g. <input checked="" type="checkbox"/> Filing and Examination Fee (\$2,325) made payable to "Treasurer of the United States"	
15. DOES THE APPLICANT(S) SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED? (See section 83(a) of the Plant Variety Protection Act) <input type="checkbox"/> YES (If "YES," answer items 16 and 17 below) <input checked="" type="checkbox"/> NO (If "NO," skip to item 18 below)	
16. DOES THE APPLICANT(S) SPECIFY THAT THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? <input type="checkbox"/> YES <input type="checkbox"/> NO	17. IF "YES" TO ITEM 16, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED? <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED
18. DID THE APPLICANT(S) PREVIOUSLY FILE FOR PROTECTION OF THE VARIETY IN THE U.S. <input type="checkbox"/> YES (If "YES," through <input type="checkbox"/> Plant Variety Protection Act <input type="checkbox"/> Patent Act. Give date: _____). <input checked="" type="checkbox"/> NO	
19. HAS THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETING IN THE U.S. OR OTHER COUNTRIES? <input checked="" type="checkbox"/> YES (If "YES," GIVE NAMES OF COUNTRIES AND DATES) U.S.A., spring 1994 <input type="checkbox"/> NO	

20. The applicant(s) declare(s) that a viable sample of basic seeds of this variety will be furnished with the application and will be replenished upon request in accordance with such regulations as may be applicable.

The undersigned applicant(s) is (are) the owner(s) of this sexually reproduced novel plant variety, and believe(s) that the variety is distinct, uniform, and stable as required in section 41, and is entitled to protection under the provisions of section 42 of the Plant Variety Protection Act.

Applicant(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.

SIGNATURE OF APPLICANT [Owner(s)] 	CAPACITY OR TITLE Director, Research Operations	DATE July 8, 1994
SIGNATURE OF APPLICANT [Owner(s)]	CAPACITY OR TITLE	DATE

Origin and Breeding History  
CX260c

CX260c is an F<sub>3</sub> plant selection from the cross DSR-304 x Cartter.

Summer 1987	The cross DSR-304 x Cartter was made.
Winter 1987	F <sub>1</sub> generation was grown.
Summer 1988	F <sub>2</sub> generation was grown and single plant selections were made.
Winter 1988	Individual F <sub>3</sub> plant rows were grown and single plant selections were made.
Spring 1989	F <sub>4</sub> plant rows were grown.
Summer 1989	F <sub>5</sub> seed was yield tested.
Summer 1990	F <sub>6</sub> seed was yield tested.
Summer 1991	F <sub>7</sub> seed was yield tested and 300 pounds of seed was produced.
Summer 1992	F <sub>8</sub> seed was yield tested and 196 bushels of breeder seed was produced.
Summer 1993	F <sub>9</sub> seed was yield tested and 2,400 bushels of foundation seed was produced.
February 4, 1994	The F <sub>9</sub> seed was given the variety name CX260c.

Statement of Stability and Uniformity

Soybean variety CX260c has been judged to be uniform for breeding use and testing after seven generations of selfing. CX260c was reproduced and judged uniform and stable for an additional two generations.

Statement of Variants

Seed of CX260c has exhibited hila color other than black up to 0.2 percent. Otherwise, CX260c shows no variants other than what would normally be expected due to environment or that would occur for almost any characteristic during the course of repeated sexual reproduction.

## EXHIBIT B

Novelty Statement

CX260c is most similar to CX267. They are similar in maturity, plant height, lodging score and protein and oil content. However, CX267 has purple flowers, gray pubescence, tan pods, gray hila, and is susceptible to Race 3 soybean cyst nematode. CX260c has white flowers, light tawny pubescence, brown pods, black hila, and is moderately resistant to Race 3 soybean cyst nematode.

## EXHIBIT C

## OBJECTIVE DESCRIPTION OF VARIETY

## Soybean Variety CX260c

<b>APPLICANT:</b> DEKALB Genetics Corporation 3100 Sycamore Road DeKalb, IL 60115
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1. SEED SHAPE: Spherical
  2. SEED COAT COLOR: (Mature Seed) Yellow
  3. SEED COAT LUSTER: (Mature Hand Shelled Seed) Shiny
  4. SEED SIZE: (Mature Seed) 17 Grams per 100 seeds
  5. HILUM COLOR: (Mature Seed) Black
  6. COTYLEDON COLOR: (Mature Seed) Yellow
  7. SEED PROTEIN PEROXIDASE ACTIVITY: High
  8. SEED PROTEIN ELECTROPHORETIC BAND:
  9. HYPOCOTYL COLOR: Green with Bronze Band Below Cotyledons
  10. LEAFLET SHAPE: Ovate
  11. LEAFLET SIZE: Medium
  12. LEAF COLOR: Medium Green
  13. FLOWER COLOR: White
  14. POD COLOR: Brown
  15. PLANT PUBESCENCE COLOR: Light Tawny
  16. PLANT TYPE: Intermediate
  17. PLANT HABIT: Indeterminate
  18. MATURITY GROUP: II
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**EXHIBIT C**  
**CX260c**  
**Page two.**

**19. DISEASE REACTION: (0=Not Tested; 1=Susceptible; 2=Resistant)**

Bacterial Diseases:

Bacterial Pustule: 0  
 Bacterial Blight: 0  
 Wildfire: 0

Viral Diseases:

Bud Blight: 0  
 Yellow Mosaic: 0  
 Cowpea Mosaic: 0  
 Pod Mottle: 0  
 Seed Mottle: 0

Nematode Diseases:

Soybean Cyst Nematode  
     Race 1: 0  
     Race 2: 0  
     Race 3: 2  
     Race 4: 2  
     Other: 0  
 Lance Nematode: 0  
 Southern Root Knot: 0  
 Northern Root Knot: 0  
 Peanut Root Knot: 0  
 Reniform Nematode: 0  
 Other: 0

Fungal Diseases:

Brown Spot: 0  
 Frogeye Leaf Spot: 0  
 Target Spot: 0  
 Downy Mildew: 0  
 Powdery Mildew: 0  
 Brown Stem Rot: 0  
 Stem Canker: 0  
 Pod and Stem Blight: 0  
 Purple Seed Stain: 0  
 Rhizoctonia Root Rot: 0  
 Phytophthora Rot

Race 1: 0

Race 2: 0

Race 3: 0

Race 4: 0

Race 5: 0

Race 6: 0

Race 7: 0

Race 8: 0

Race 9: 0

Race 10: 0

Race 11: 0

Race 12: 0

Race 13: 0

*race 14 instead  
of race 4?*

**20. PHYSIOLOGICAL RESPONSES: (0=Not Tested; 1=Susceptible; 2=Resistant)**

Iron Chlorosis on Calcareous Soil: 0  
 Other: 0

**21. INSECT REACTION: (0=Not Tested; 1=Susceptible; 2=Resistant)**

Mexican Bean Beetle: 0  
 Potato Leaf Hopper: 0  
 Other: 0

**22. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED:**

<u>Character</u>	<u>Name of Variety</u>	<u>Character</u>	<u>Name of Variety</u>
Plant Shape	CX267	Seed Coat Luster	CX248
Leaf Shape	CX267	Seed Size	CX248
Leaf Color	CX267	Seed Shape	CX248
Leaf Size	CX259	Seedling Pigmentation	CX314

**EXHIBIT C**

CX260c

Page three.

**23. DATA FOR SUBMITTED AND SIMILAR STANDARD VARIETY: Paired Comparison Data**

VARIETY	NO OF DAYS MATURI TY	PLANT LODGING SCORE	PLANT HEIGHT CM	LEAFLET SIZE		SEED CONTENT		SEED SIZE G/100 SEEDS	NO. SEEDS /POD
				Width cm	Length cm	% Prot	% Oil		
CX260c	127	2.3	90	--	--	34.5	18.9	17.0	2-3
CX267	127	2.2	92	--	--	34.0	19.3	14.2	2-3

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**EXHIBIT E**Statement of the Basis of Applicant's Ownership

CX260c was developed by another company. The original company is a U.S. national company. By agreement between the original company and DEKALB Genetics Corporation, all rights have been assigned to DEKALB Genetics Corporation.

EXHIBIT E

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